Subject Index

^{3}He–B 27
^{3}He 1, 11

Aerogel 1, 11
Annihilation 27

Boundary conditions 132

Chiral anomaly 86
Collapse 55
Correlation 145
Coulomb blockade 150
Covariance 132
Crystal melting 19
Crystal growth 19

Defect formation 116
Dense superfluid 41
Depinning transition 75
Dirac equation 126
Disorder 164

Effective gravity 86
Effective field theory 86
Electron tunelling 150

Fermions in reduced dimensions 145

Gap nodes 86
Gauge fields 11

High field 19
Hydrodynamic Maxwell equations 132

Impurity scattering 11

Klein paradox 126

Lattice simulations 108

Magnetization 19
Mesoscopic physics 150
Mesoscopic systems 164
Micromechanics 150

NMR 27

Pinning 55, 75

Quantized vortex line 27
Quantum coherence 164
Quantum dots 145
Quantum noise 164
Quantum tunnelling 41
Quasiclassical theory 11

Self-assembled structures 150
Semilocal string 116
Solid ^{3}He 19
Sound modes 1
String simulation 116
Superconductivity 75, 108
Superfluid ^{3}He 86
Superfluid 1, 11, 55
Surface impedance 75

Torsional oscillator 1
Tunelling 55

Vacuum charge 126
Vortex 55
Vortices 41, 75, 108

Weak localization 164